

ABSTRACT

5 The present invention discloses power supply cable for providing  
DC power from a power supply to a microprocessor of a personal  
computer. The output cable includes a plate-cable includes a first and a  
second metal plates insulated with an insulation layer between the first  
and second metal plates. The output cable further includes a plurality of  
capacitors disposed on the plate cable. Each of the capacitors has a first  
and second electrical terminals and each of the first and second electrical  
10 terminals connected to one of the first and second metal layers provided  
for storing electrical charges therein for transmitting through the metal  
layers for supplying power to the microprocessor. In a preferred  
embodiment, the plurality of capacitors disposed on the first metal plate  
with the first electrical terminal for each of the capacitors connected to the  
15 first metal plate. The plate-cable further includes a plurality of via-  
connectors penetrating the insulation layer for connecting the second  
electrical terminal for each of the capacitors to the second metal plate. In  
another preferred embodiment, the plate-cable further includes multiple  
insulated plate-segments each of the plate-segment is provided for  
20 supplying power of a different voltage to the microprocessor. In another  
preferred embodiment, the output cable further includes a microprocessor  
connector socket soldering to an output end the plate-cable.